District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Dr.

Form C-144 Revised June 6, 2013

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.

For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

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Proposed Alternative Method Permit or Closure Plan Application

Type of action: Below grade tank registration

Santa Fe, NM 87505

Permit of a pit or proposed alternative method Closure of a pit, below-grade tank, or proposed alternative method Modification to an existing permit/or registration Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank,
or proposed alternative method
Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request
Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.
1. October 1979
Operator: BP America Production Company OGRID #: //8
Address: 200 Energy Court, Farmington, NM 87401
Facility or well name: GALLEGOS CANYON UNIT 196E
Operator: BP America Production Company Address: 200 Energy Court, Farmington, NM 87401 Facility or well name: GALLEGOS CANYON UNIT 196E API Number: 3004524254 OCD Permit Number: OGRID #: 778 OIL CONS. DIV DIST. 3
U/L or Qtr/Qtr D Section 19 Township 28N Range 12W County: San Juan
Center of Proposed Design: Latitude <u>36.65210</u> Longitude <u>-108.15805</u> NAD: □1927 ⋈ 1983
Surface Owner: Federal State Tribal Trust or Indian Allotment
1.
Pit: Subsection F, G or J of 19.15.17.11 NMAC
Temporary: Drilling Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☐ yes ☐ no
Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other
String-Reinforced
Liner Seams:
3. Subsection I of 19.15.17.11 NMAC TANK B Volume: 21 bbl Type of fluid: Produced water
Tank Construction material: Steel
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other Single wall/ Double bottom; no visible sidewalls
Liner type: Thickness mil
4. Alternative Method:



Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)	
Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, institution or church)	hospital,
☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet	
Alternate. Please specify	
6.	
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	
☐ Screen ☐ Netting ☐ Other	
Monthly inspections (If netting or screening is not physically feasible)	
7. Signs: Subsection C of 19.15.17.11 NMAC	
12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers	
☐ Signed in compliance with 19.15.16.8 NMAC	
8. Variances and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.	
Please check a box if one or more of the following is requested, if not leave blank:	
 □ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. □ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. 	
9. Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptance are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	ptable source
General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
	W-441
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. (Does not apply to below grade tanks) - Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes No
Within the area overlying a subsurface mine. (Does not apply to below grade tanks) - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
 Within an unstable area. (Does not apply to below grade tanks) Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	☐ Yes ☐ No
Within a 100-year floodplain. (Does not apply to below grade tanks) - FEMA map	☐ Yes ☐ No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured	☐ Yes ☐ No
from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial	☐ Yes ☐ No									
application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image										
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock vatering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site										
Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site										
Temporary Pit Non-low chloride drilling fluid										
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No									
- Topographic map, visual inspection (certification) of the proposed site										
 Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 										
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site										
 Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	☐ Yes ☐ No									
Permanent Pit or Multi-Well Fluid Management Pit										
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No									
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No									
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of										
initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No									
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No									
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 N Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the document attached.										
Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19. and 19.15.17.13 NMAC										
☐ Previously Approved Design (attach copy of design) API Number: or Permit Number:										
11. Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents of the following items must be attached to the application.	cuments are									
attached. Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC A List of wells with approved application for permit to drill associated with the pit. Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19. and 19.15.17.13 NMAC Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC	15.17.9 NMAC									
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC ☐ Previously Approved Design (attach copy of design) API Number: or Permit Number:										
- Trime Tullion.										

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC	
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the attached.	documents are
 ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC ☐ Climatological Factors Assessment 	
☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC	
☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC	
☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC ☐ Quality Control/Quality Assurance Construction and Installation Plan	
Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC	
Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC	
 Nuisance or Hazardous Odors, including H₂S, Prevention Plan Emergency Response Plan 	
Oil Field Waste Stream Characterization	
☐ Monitoring and Inspection Plan ☐ Erosion Control Plan	
Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	
13,	
Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.	
	hid Managament Dit
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well F	iuid ivianagement Fit
Proposed Closure Method: Waste Excavation and Removal	
 ☐ Waste Removal (Closed-loop systems only) ☐ On-site Closure Method (Only for temporary pits and closed-loop systems) 	
☐ In-place Burial ☐ On-site Trench Burial	
Alternative Closure Method	
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be closure plan. Please indicate, by a check mark in the box, that the documents are attached. Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	
15.	
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. F 19.15.17.10 NMAC for guidance.	
Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	Yes No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application.	Yes No
- NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	
Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	

adopted pursuant to NMSA 1978, Section 3-27-3, as amended. Written confirmation or verification from the municipality; Written approval obtained from the municipality										
	☐ Yes ☐ No									
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division										
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map										
Within a 100-year floodplain.										
- FEMA map Yes										
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.11 NMAC Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved) Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC										
Operator Application Certification: L barshy contiffs that the information submitted with this application is true converte and convolute to the best of my larged decay deals.										
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and believed.										
Name (Print): Title:										
Signature: Date:										
e-mail address:										
e-mail address: Telephone:										
e-mail address: Telephone:										
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)										
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date:										
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)										
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: //- Title: ENvicon Medical Space OCD Permit Number:	S-16									
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: //- Title: Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not	S-16									
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Title: OCD Permit Number: OCD Permit Number: 19. Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not section of the form until an approved closure plan has been obtained and the closure activities have been completed.	the closure report, complete this									

Operator Closure Certification:	
I hereby certify that the information and attachments submitted with this closur belief. I also certify that the closure complies with all applicable closure requir	
Name (Print): Steve Moskal	Title: Field Environmental Coordinator
Signature: Man	Date: October 28, 2016
e-mail address: steven.moskal@bp.com	Telephone:(505) 326-9497

BP AMERICA PRODUCTION COMPANY

SAN JUAN BASIN, NORTHWEST NEW MEXICO

BELOW-GRADE TANK CLOSURE PLAN

Gallegos Canyon Unit 196E API No. 3004524254 Unit Letter D, Section 19, T28N, R12W

This plan will address the standard protocols and procedures for closure of below-grade tanks (BGTs) on BP America Production Company (BP) well sites. As stipulated in Paragraph A of 19.15.17.13 NMAC, BP shall close a BGT within the time periods provided in 19.15.17.13 NMAC, or by an earlier date that the New Mexico Oil Conservation Division (NMOCD) requires because of imminent danger to fresh water, public health, safety or the environment. If deviations from this plan are necessary, any specific changes will be included on form C-144 and approved by the NMOCD. BP shall close an existing BGT that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years after June 16, 2008, if not retrofit with a BGT that complies with the BP NMOCD approved BGT design attached to the BP Design and Construction Plan. BP shall close an existing BGT that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC, if not previously retrofitted to comply with the BP NMOCD approve BGT Design attached to the BP Design and Construction Plan, prior to any sale or change in operator pursuant to 19.15.9.9 NMAC. BP shall close the permitted BGT within 60 days of cessation of the BGTs operation or as required by the transitional provisions of Subsection B, D, or E of 19.15.17.17 NMAC.

General Closure Plan

- BP shall notify the surface owner by certified mail that it plans to close a BGT. Evidence of mailing of the notice to the address of the surface owner shown in the county tax records demonstrates compliance with this requirement.
 - A formal notice was not provided as the well location is marked as surface owner being federal. However, the private landowner, Tommy Bolack, was informed of the work being performed prior to entering his property.
- 2. BP shall notify the division District III office verbally or by other means at least 72 hours, but not more than one (1) week, prior to any closure operation. The notice shall include the operator's name, and the location to be closed by unit letter, section, township and range. If the BGT closure is associated with a particular well, then the notice shall also include the well's name, number and API number.
 - Notice was provided and is attached.
- BP shall remove liquids and sludge from the BGT prior to implementing a closure method and dispose of the liquids and sludge in a NMOCD's division-approved facility. The facilities to be used are:
 - a. BP Crouch Mesa Landfarm, Permit NM-02-003 (Solids)
 - b. JFJ Landfarm, Permit NM-01-010(B) (Solids and Sludge)
 - c. Basin Disposal, Permit NM-01-0005 (Liquids)

- d. Envirotech Inc Soil Remediation Facility, Permit NM-01-0011 (Solids and Sludge)
- e. BP Operated E.E. Elliott SWD #1, API 30-045-27799 (Liquids)
- f. BP Operated 13 GCU SWD #1, API 30-045-28601 (Liquids)
- g. BP Operated GCU 259 SWD, API 30-045-20006 (Liquids)
- h. BP Operated GCU 306 SWD, API 30-045-24286 (Liquids)
- i. BP Operated GCU 307 SWD, API 30-045-24248 (Liquids)
- j. BP Operated GCU 328 SWD, API 30-045-24735 (Liquids)
- k. BP Operated Pritchard SWD #1, API 30-045-28351 (Liquids)

All liquids and sludge in the BGT were removed and sent to one of the above NMOCD approved facilities for disposal.

4. BP shall remove the BGT and dispose of it in a NMOCD approved facility or recycle, reuse, or reclaim it in a manner that the NMOCD approves. If a liner is present and must be disposed of it will be cleaned by scraping any soils or other attached materials on the liner to a de minimus amount and disposed at a permitted solid waste facility, pursuant to Subparagraph (m) of Paragraph (1) of Subsection C of 19.15.35.8 NMAC. Documentation as to the final disposition of the removed BGT will be provided in the final closure report.

The BGT was transported for recycling.

5. BP shall remove any on-site equipment associated with a BGT unless the equipment is required for well production.

All equipment associated with the BGT has been removed.

6. BP shall test the soils beneath the BGT to determine whether a release has occurred. BP shall collect at a minimum: a five (5) point composite sample and individual grab samples from any area that is wet, discolored or showing other evidence of a release and analyze for BTEX, TPH and chlorides. The testing methods for those constituents are as follows;

Constituents	Testing Method	Release Verification	Sample
	21 bbl BGT	(mg/Kg)	results
Benzene	US EPA Method SW-846 8021B or 8260B	0.2	< 0.022
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	< 0.089
TPH	US EPA Method SW-846 418.1 or 8015 extended	100	<u><47</u>
Chlorides	US EPA Method 300.0 or 4500B	250 or background	<30

Notes: mg/Kg = milligram per kilogram, BTEX = benzene, toluene, ethylbenzene, and total xylenes, TPH = total petroleum hydrocarbons. Other EPA methods that the division approves may be applied to all constituents listed. Chloride closure standards will be determined by which ever concentration level is greatest.

Soil under the BGT was sampled for TPH, BTEX and chloride with all concentrations below the stated limits. The field report and laboratory reports are attached.

- BP shall notify the division District III office of its results on form C-141.
 C-141 is attached.
- If it is determined that a release has occurred, then BP will comply with 19.15.30 NMAC and 19.15.29 NMAC, as appropriate.
 Sampling results indicate a release has not occurred. Attached is a laboratory report and C-141.
- 9. If the sampling demonstrates that a release has not occurred or that any release does not exceed the concentrations specified above, then BP shall backfill the excavation, with compacted, non-waste containing, earthen material; construct a division-prescribed soil cover, re-contour and re-vegetate the location. The location will be reclaimed if it is not with in the active process area

Sampling results indicate a release has not occurred. Attached is a laboratory report and field report. The location will be reclaimed once the well is plugged and abandoned.

10. BP shall reclaim the BGT location and all areas associated with the BGT including associated access roads to a safe and stable condition that blends with the surrounding undisturbed area. BP shall substantially restore the impacted surface area to the condition that existed prior to oil and gas operations by placement of the soil cover as provided in Subsection H of 19.15.17.13 NMAC, re-contour the location and associated areas to a contour that approximates the original contour and blends with the surrounding topography and re-vegetate according to Subsection I of 19.15.17.13 NMAC.

The area has been backfilled and will be reclaimed once the well has been plugged and abandoned.

11. The soil cover for closures where the BGT has been removed or remediated to the NMOCD's satisfaction shall consist of the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater. The soil cover will be constructed to the site's existing grade and all practicable efforts will be made to prevent ponding of water and erosion of the cover material.

The area has been backfilled and will be reclaimed once the well has been plugged and abandoned.

12. BP shall seed the disturbed area the first growing season after closure of the BGT. Seeding will be accomplished by drilling on the contour whenever practical or by other division-approved methods. Vegetative cover will be, at a minimum, 70% of the native perennial vegetative cover (un-impacted by overgrazing, fire or other intrusion damaging to native vegetation), consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintenance of that cover through two successive growing seasons. During the two growing seasons that prove viability, there shall be no artificial irrigation of the vegetation.

The area has been backfilled and will be reclaimed once the well has been plugged and abandoned.

 BP shall seed, plant and re-seed pursuant to Paragraph (3) of Subsection I of 19.15.17.13 NMAC, until the location successfully achieves the required vegetative cover. The area has been backfilled and will be reclaimed once the well has been plugged and abandoned.

 Pursuant to Paragraph (5) of Subsection I of 19.15.17.13 NMAC, BP shall notify the NMOCD when it has seeded or planted and when it successfully achieves revegetation.

BP will notify NMOCD when re-vegetation is successful.

- 15. Within 60 days of closure completion, BP shall submit a closure report on NMOCD's form C-144, and will include the following;
 - a. proof of closure notification (surface owner and NMOCD)
 - sampling analytical reports; information required by 19.15.17 NMAC;
 - c. disposal facility name and permit number
 - d. details on back-filling, capping, covering, and where applicable re-vegetation application rates and seeding techniques and
 - e. site reclamation, photo documentation.
 Closure report on C-144 form is included including photos of reclamation completion.
- 16. BP shall certify that all information in the report and attachments is accurate, truthful, and compliant with all applicable closure requirements and conditions specified in the approved closure plan.

Certification section of C-144 has been completed.

District J
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

							ГOR	[Initia	al Report	\boxtimes	Final Repo					
Name of Company: BP							eve Moskal										
Address: 200 Energy Court, Farmington, NM 87401							Telephone No.: 505-326-9497										
Facility Na	me: Galleg	os Canyon U	Init 196E]	Facility Type: Natural gas well											
Surface Ow	ner: Privat	e		Mineral C	wner: I	Private			API No	. 30045242	54						
				LOCA	TION	OF RE	LEASE										
Unit Letter D	Section 19	Township 28N	Range 12W	Feet from the 950	North/ North	South Line	Feet from the 950	East/W West	est Line	County: Sa	ın Juan	ı					
Latitude 36.65210° Longitude -108.15839°																	
				NAT	URE	OF REL											
Type of Rele							Release: unknow			Recovered: N							
Source of Re	elease: below	grade tank –	21 bbl (B)		Date and I none	Iour of Occurrenc	e:	Date and	Hour of Dis	covery	none					
Was Immedi	ate Notice C		Yes 🛛	No Not Re	equired	If YES, To	Whom?										
By Whom?						Date and I											
Was a Water	course Reac		Yes 🛛	No		If YES, Vo	olume Impacting t	he Water	course.								
		pacted, Descri			no of the	coil banaath	the BGT was dor	ne during	ramoval	Soil analys	e racul	ted for					
							results are attache		removai.	Son anarys	o resur	ica ioi					
Describe Are	a Affected a	and Cleanup A	ction Tak	en.* No action ne	ecessary.	Final labora	tory analysis deter	rmined no	o remedia	l action is re	quired.						
regulations a public health should their o or the environ	I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.																
Signature:	etwo	un				OIL CONSERVATION DIVISION											
Printed Name					A	Approved by	Environmental Sp	pecialist:									
Title: Field E	invironment	al Coordinato	r		A	Approval Da	e:	Ex	xpiration l	Date:							
E-mail Address: steven.moskal@bp.com						Conditions of	Approval:		Attached								
Date: Octobe	er 28, 2016		Phone	505-326-9497													

^{*} Attach Additional Sheets If Necessary

Moskal, Steven

From:

Railsback, Farrah (CH2M HILL)

Sent:

Tuesday, August 30, 2016 9:11 AM

To:

Smith, Cory, EMNRD; Fields, Vanessa, EMNRD (Vanessa.Fields@state.nm.us)

Cc:

jeffcblagg@aol.com; blagg_njv@yahoo.com; Moskal, Steven

Subject:

BP Pit Close Notification - GALLEGOS CANYON UNIT 196E - 21bbl Pit

BP America Production Company

200 Energy Court Farmington, NM 87401 Phone: (505) 326-9200

SENT VIA E-MAIL TO: CORY.SMITH@STATE.NM.US; VANESSA.FIELDS@STATE.NM.US

August 30, 2016

New Mexico Oil Conservation Division 1000 Rio Brazos Road Aztec, New Mexico 87410

RE: Notice of Proposed Below-Grade Tank (BGT) Closure

GALLEGOS CANYON UNIT 196E API 30-045-24254 (D) Section 19 – T28N – R12W San Juan County, New Mexico

Dear Mr. Cory Smith and Mrs. Vanessa Fields,

In regards to the captioned subject and requirements of the NMOCD pit rule, this letter is notification that BP is planning to close a 21 bbl BGT that will no longer be operational at this well site. We anticipate this work to start on or around September 1, 2016.

Should you have any questions, please feel free to contact BP at our Farmington office.

Sincerely,

Steven Moskal BP Field Environmental Coordinator

(505) 326-9497

Farrah Railsback BGT Project Support 970-946-9199 -cell

This email and any attachments are intended only for the addressee(s) listed above and may contain confidential, proprietary, and/or privileged information. If you are not an intended recipient, please immediately advise the sender by return email, delete this email and any attachments, and destroy any copies of same. Any unauthorized review, use, copying disclosure or distribution of this email and any attachments is prohibited.

•								
CHENT: BP	API#: 3004524254							
CLIENT:	P.O. BOX 87, B	TANK ID (if applicble):						
FIELD REPORT:		f _1						
SITE INFORMATION	I: SITE NAME: GCU #	196E		DATE STARTED: 09/0	1/16			
QUAD/UNIT: D SEC: 19 TWP:	28N RNG: 12W PM:		ST: NM	DATE FINISHED:				
1/4-1/4/FOOTAGE: 950'N / 950'\	STATE OF THE STATE	TYPE: FEDERAL STATE /		ENVIRONMENTAL				
	PROD. FORMATION: DK C	CTDIVE		SPECIALIST(S): JC	B			
REFERENCE POINT		36.6523	9 X 108.15839	GL ELEV.: 5	,678'			
1) 21 BGT (SW/SB)	GPS COORD.: 36	3.65210 X 108.15805	DISTANCE/BEA	RING FROM W.H.: 147', S4	2.5E			
2)	GPS COORD.:		DISTANCE/BEA	RING FROM W.H.:				
3)	GPS COORD.:		DISTANCE/BEA	RING FROM W.H.:				
	GPS COORD.:		DISTANCE/BEA	RING FROM W.H.:	OVM			
SAMPLING DATA:	CHAIN OF CUSTODY RECORD(S) # 0				(ppm)			
1) SAMPLE ID: 21 BGT 5-pt. (0.1			
2) SAMPLE ID:								
3) SAMPLE ID:					-			
4) SAMPLE ID:	SAMPLE DATE:							
SOIL DESCRIPTION								
SOIL COLOR: MOSTLY DARK YELLO COHESION (ALL OTHERS): NON COHESIVE SLIGHTLY		PLASTICITY (CLAYS): NON PLASTIC DENSITY (COHESIVE CLAYS & S			LY PLASTIC			
CONSISTENCY (NON COHESIVE SOILS): LO		HC ODOR DETECTED: YES NO						
MOISTURE: DRY/SLIGHTLYMOIST MOIST WE	ET / SATURATED / SUPER SATURATED							
SAMPLE TYPE: GRAB COMPOSITE # DISCOLORATION/STAINING OBSERVED: YES N		ANY AREAS DISPLAYING WETNES	S: YES NO EXPLAN	ACTION -				
SITE OBSERVATION		YES NO EXPLANATION -						
APPARENT EVIDENCE OF A RELEASE OBSERVE	DAND/OR OCCURRED : YES NO EXPL							
EQUIPMENT SET OVER RECLAIMED AREA: 'OTHER: WELL PAD SHARED WITH BP'S	YES NO EXPLANATION -	DEP DESERT DUDING SAME	N E COLLECTION					
OTHER: WELL PAU SHARED WITH DE S	GCU 582 GAS WELL, NIMOCD P	REP. PRESENT DURING SAWI	LE COLLECTION.					
SOIL IMPACT DIMENSION ESTIMATION:		ft. X <u>NA</u> ft.		TMATION (Cubic Yards) :	NA			
OUTE OLICETOUR	EAREST WATER SOURCE: >1,000		<1,000° NMOC	D TPH CLOSURE STD: 1,00	00 ppm			
SITE SKETCH	BGT Located: off on sit	PLOT PLAN circl	e: attached OVM	CALIB. READ. = 100.0 ppm	RF=0.52			
				CALIB. GAS =	and the same of			
			N TIME					
			'	MISCELL. NOT	ES			
TO W.H.		DEDM	-	<u>(O:</u>				
	PROD.	BERM		EF#: P-642				
		/		D: VHIXONEVB2				
FEN	ICE — (i)	(21)	_	J #: ermit date(s): 06/09	/10			
		PBGTL T.B. ~ 6'		CD Appr. date(s): 07/08				
GCU 582 SEP	PARATOR	B.G.	Tan	k OVM = Organic Vapor Mete	ar			
			В		0			
		х	- S.P.D.	BGT Sidewalls Visible: Y / N	ı			
NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATIO		ELOW, T.H. = TEST HOLE; ~ = APPROX.; W	/H. = WELL HEAD;	BGT Sidewalls Visible: Y / N				
T.B. = TANK BOTTOM; PBGTL = PREVIOUS BELC APPLICABLE OR NOT AVAILABLE; SW-SINGLE			VALL; NA - NOT M	agnetic declination: 10	'E			
NOTES: GOOGLE EARTH IMAGE		ONSITE: 09/01/1	6					

Analytical Report

Lab Order 1609069

Date Reported: 9/6/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 21 BGT 5-pt @ 6'

Project: GCU #196E

Collection Date: 9/1/2016 11:25:00 AM

Lab ID: 1609069-001

Matrix: SOIL

Received Date: 9/2/2016 7:05:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	LGT
Chloride	ND	30	mg/Kg	20	9/2/2016 11:56:01 AM	27331
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANIC	S			Analyst	: TOM
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	9/2/2016 11:55:18 AM	27322
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	9/2/2016 11:55:18 AM	27322
Surr: DNOP	95.7	70-130	%Rec	1	9/2/2016 11:55:18 AM	27322
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.4	mg/Kg	1	9/2/2016 12:30:59 PM	27312
Surr: BFB	87.0	68.3-144	%Rec	1	9/2/2016 12:30:59 PM	27312
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.022	mg/Kg	1	9/2/2016 12:30:59 PM	27312
Toluene	ND	0.044	mg/Kg	1	9/2/2016 12:30:59 PM	27312
Ethylbenzene	ND	0.044	mg/Kg	1	9/2/2016 12:30:59 PM	27312
Xylenes, Total	ND	0.089	mg/Kg	1	9/2/2016 12:30:59 PM	27312
Surr: 4-Bromofluorobenzene	102	80-120	%Rec	1	9/2/2016 12:30:59 PM	27312

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 5
- Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Chain-of-Custody Record			Jum-Arouna	ııme:	SAME				L	44		F	NV	/TE	20	NI	ME	N7	ГА					
lient:	lient: BLAGG ENGR. / BP AMERICA			☐ Standard	(Rush _	DAY)			F									-						
				Project Name	ANALYSIS LABORATORY www.hallenvironmental.com																			
/lailing A	ddress:	P.O. BO	X 87		GCU # 196E				4901 Hawkins NE - Albuquerque, NM 87109															
	BLOOMFIELD, NM 87413			87413	Project #:				Tel. 505-345-3975 Fax 505-345-4107															
hone #: (505) 632-1199													А	nal	ysis	Red	ques	st						
mail or l	Fax#:				Project Mana	ger:		8) (0) (0) (0) (0) (0) (0) (0) (0) (0) (0																
A/QC Pa	_		Level 4 (Full Validation)	JEFF BLAGG			(8021B)	TPH (Gas only)	/ MRO)			(S)		PO4,SO	PCB's						9		
ccredita	tion:			A36	Sampler:	JEFF BLAG	G	* S	(Ga	SRO.	ਜ	ਜ	SIN		02	808			/ wa			du		
] NELAF		□ Other	Γ		On Ice		ti No ₹	1	TH.	1/0	418	504	827	s	8	se/		F	300.0			e sa	N Z	
] EDD (Type)					erature: 🕆 🖟		4	BE +	(GR	por	pot	or	etal	C,N	cide	(A)	Ϋ́	=		e l	osit	٤	
Date	Time	Matrix	Sample	Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX +	BTEX + MTBE	TPH 8015B (GRO / DRO	TPH (Method 418.1)	EDB (Method 504.1)	PAH (8310 or 8270SIMS)	RCRA 8 Metals	Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082	8260B (VOA)	8270 (Semi-VOA)	Chloride (soil - 300.0 / water		Grab sample	5 pt. composite sample	Air Bubbles (Y or N)	
9/1/16	1125	SOIL	2185	5-pt.e6'	MeoHKet 40z1	Cool	1009069	v	B	٧		-	-	E.	Q.	8	8	80	٧		۳	√ V	A	
	1000		0.1001	7.00			201	<u> </u>		Ė	Н					_		-	-	\dashv	\dashv	1		
								Н			Н							Н	\dashv		\dashv	\dashv		
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											Ш									\sqcup				
11/16	Time: /Z.(5	Relinquish	Blag	9	Received	VJ.	9/1/16 12(5				AMERICA 10000		AND THE RESERVE AND ADDRESS OF THE PARTY OF				IG VII	D BP USING THE CIRCLED CONTACT WITH G VID & REFERENCE # WHEN APPLICABLE; N Steve Moskal John Ritchie					e	
11/16	Time: 1420	Refinquish	len V		Received by:	Jala	9/1/10 1420	Refe	eren	VID: ce #		P-	NEVI 642	B2	VN	1OS6	HQF	EC	VF	VRITCIWFEC				
1.	If necessary,	samples sul	bmitted to Half E	vironmental may be su	bcontracted to other	accredited laboratori	es. This serves as notice of	of this	possib	oility.	Any su	ıb-con	tracte	d data	a will I	e cle	arly no	otated	on the	analy	tical re	port.		

Hall Environmental Analysis Laboratory, Inc.

WO#:

1609069

06-Sep-16

Client:

Blagg Engineering

Project:

GCU #196E

Sample ID MB-27331

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 27331

RunNo: 36994

HighLimit

Prep Date: 9/2/2016

Analysis Date: 9/2/2016

SeqNo: 1146344

Units: mg/Kg

RPDLimit

Qual

Analyte Chloride

PQL Result ND 1.5

SampType: LCS

TestCode: EPA Method 300.0: Anions

Sample ID LCS-27331

Client ID: LCSS

Batch ID: 27331

RunNo: 36994

Prep Date: 9/2/2016

Analysis Date: 9/2/2016

SeqNo: 1146345

Units: mg/Kg

Analyte

PQL SPK value SPK Ref Val %REC LowLimit

HighLimit

Qual

15.00

SPK value SPK Ref Val %REC LowLimit

%RPD

RPDLimit

Page 2 of 5

Result 14

94.3

Chloride

%RPD

1.5

90

110

Qualifiers:

D

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix Holding times for preparation or analysis exceeded H
- ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- Analyte detected below quantitation limits
- J
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

E Value above quantitation range

Sample pH Not In Range

Hall Environmental Analysis Laboratory, Inc.

WO#:

1609069

06-Sep-16

Client:

Blagg Engineering

Project:

GCU #196E

Sample ID LCS-27322	SampType: LCS Batch ID: 27322			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS				F	RunNo: 3	6957				
Prep Date: 9/2/2016	Analysis D	ate: 9/	2/2016	SeqNo: 1145248			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	91.6	62.6	124		38	
Surr: DNOP	4.6		5.000		92.7	70	130			

Sample ID MB-27322	SampT	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch	ID: 27	322	F	RunNo: 3	6957					
Prep Date: 9/2/2016	Analysis D	ate: 9/	2/2016	\$	SeqNo: 1	145249	Units: mg/K	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	10									
Motor Oil Range Organics (MRO)	ND	50									
Surr: DNOP	9.9		10.00		99.5	70	130				

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 3 of 5

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1609069

06-Sep-16

Client:

Blagg Engineering

Project:

Analyte

GCU #196E

Sample ID MB-27312

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

Client ID:

Batch ID: 27312

RunNo: 36969

Prep Date: 9/1/2016

Analysis Date: 9/2/2016

SeqNo: 1146035

Units: mg/Kg

RPDLimit Qual

Gasoline Range Organics (GRO)

Result PQL

SPK value SPK Ref Val %REC LowLimit HighLimit

Surr: BFB

ND 5.0 860

68.3

%RPD

Sample ID LCS-27312

SampType: LCS Batch ID: 27312 TestCode: EPA Method 8015D: Gasoline Range

RunNo: 36969

85.7

Client ID: LCSS Prep Date: 9/1/2016

Analysis Date: 9/2/2016

SeqNo: 1146036

Units: mg/Kg

144

%RPD SPK value SPK Ref Val %REC LowLimit HighLimit

RPDLimit Qual

Gasoline Range Organics (GRO)

Result PQL

1000

1000

101 94.3 80

Page 4 of 5

Surr: BFB

25 940

68.3

144

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded H
- Not Detected at the Reporting Limit ND
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank В
- E Value above quantitation range
- Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1609069

06-Sep-16

Client:

Blagg Engineering

Project:

GCU #196E

Sample ID MB-27312

SampType: MBLK

TestCode: EPA Method 8021B: Volatiles

LowLimit

80

Client ID:

Batch ID: 27312

0.050

0.050

0.10

RunNo: 36969

Prep Date: 9/1/2016

Analysis Date: 9/2/2016

SeqNo: 1146076

Units: mg/Kg

Analyte Benzene Toluene

Ethylbenzene

Result PQL ND 0.025

ND

ND

ND

1.0

SPK value SPK Ref Val %REC

HighLimit

RPDLimit

%RPD

RPDLimit

Qual

Xylenes, Total Surr: 4-Bromofluorobenzene

SampType: LCS

TestCode: EPA Method 8021B: Volatiles

120

Sample ID LCS-27312 Client ID: LCSS

Batch ID: 27312

RunNo: 36969

Prep Date: 9/1/2016

Analysis Date: 9/2/2016

SeqNo: 1146077

103

Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	
Benzene	1.0	0.025	1.000	0	101	75.3	123	Ī
Toluene	0.97	0.050	1.000	0	97.3	80	124	
Ethylbenzene	0.97	0.050	1.000	0	97.3	82.8	121	
Xylenes, Total	2.9	0.10	3.000	0	96.2	83.9	122	
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120	

1.000

Qualifiers:

S

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H

Not Detected at the Reporting Limit ND

R RPD outside accepted recovery limits

Holding times for preparation or analysis exceeded

% Recovery outside of range due to dilution or matrix

В Analyte detected in the associated Method Blank

Value above quantitation range

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Detection Limit

P

Sample container temperature is out of limit as specified

Page 5 of 5



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name	BLAGG	Work Order Number	er. 1609069		RcptNo:	1
Received by/	date: A-T	69/02/16				
Logged By:	Anne Thorne	9/2/2016 7:05:00 AM		an Am	_	
Completed B	y: Anne Thorne	9/2/2016		Anne Stran	_	
Reviewed By	IO	04/02/16		Cara Ji		
Chain of C	ustody					
1. Custody	seals intact on sample	bottles?	Yes 🗌	No 🗆	Not Present	
2. Is Chain	of Custody complete?		Yes 🗹	No 🗆	Not Present	
3. How was	the sample delivered?		Courier			
Log In						
4. Was an	attempt made to cool ti	ne samples?	Yes 🗹	No 🗌	NA 🗆	
5. Were all	samples received at a	temperature of >0° C to 6.0°C	Yes 🗹	No 🗆	NA 🗆	
6. Sample(s	s) in proper container(s)?	Yes 🗹	No 🗆		
7. Sufficient	sample volume for ind	licated test(s)?	Yes 🗹	No 🗆		
8. Are samp	les (except VOA and C	DNG) properly preserved?	Yes 🗹	No 🗆		
9. Was pres	ervative added to bottle	es?	Yes	No 🗸	NA 🗆	
10.VOA vials	have zero headspace	?	Yes 🗌	No 🗆	No VOA Vials	
11. Were any	sample containers re	ceived broken?	Yes	No 🗹	# of preserved	
12 Dans	accord and the best land		Yes 🗸	No 🗆	bottles checked for pH:	
7 7	erwork match bottle lai crepancies on chain of		Yes 🖭	NO L		>12 unless noted)
	ces correctly identified	7.5	Yes 🗹	No 🗆	Adjusted?	
14. Is it clear	what analyses were re	quested?	Yes 🗹	No 🗆		
	nolding times able to be ify customer for author		Yes 🗹	No 🗆	Checked by:	
To de Sandi						
Special Ha	ndling (if applical	<u>ble)</u>	_	-		
16. Was clier	t notified of all discrep	ancies with this order?	Yes 🗆	No 🗆	NA ☑	1
100	son Notified:	Date				
-7	Whom:	Via:	eMail [Phone Fax	☐ In Person	
- 1	arding:	- Aller hall be shift as as soon other to read a " specie are distributed linear to the	has about the color to the	dramar on administrative ex-	-	
Clie	nt Instructions:	100 0				5
17. Additiona	al remarks:					
18. Cooler I		ndition Seal Intact Seal No	Seal Date	Signed By		
1	1.5 Good					



